

WHAT IS CLAIMED IS:

1. Attachment device (1) to attach a distribution device (2) such as a pump or a valve onto a neck (30) of a recipient (3), said attachment device comprising a ring (10) forming a skirt (101) equipped with attachment means  
5 designed to co-operate with the neck of the recipient, reception means (103) designed to receive the distribution device and an annular plate (102) extending radially outwardly from the reception means toward the skirt, said plate (102) comprising a lower surface (105) designed to be pressed against the upper end (31) of the neck (30), with an inserted seal (4) if required,

10 characterised in that the plate (102) can be moved axially upwards to remove the attachment means by pressing on the upper end of the neck.

2. Attachment device according to claim 1, wherein the plate (102) is connected to the skirt (101) by a deformable flexible connection (106).  
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3. Attachment device according to claim 2, wherein the deformable connection has a thin surface in relation to the plate such that the deformation takes place at the connection.

20 4. Attachment device according to claim 2 or 3, wherein the deformable connection (106) is formed by a peripheral annular recess (107) provided in the plate to reduce the plate surface thickness locally in a circular fashion.

25 5. Attachment device according to claim 2 or 3, wherein the flexible connection (106) is punched.

30 6. Attachment device according to claim 2 or 3, wherein the flexible connection (106) comprises a plurality of spacers connecting the plate (102) to the skirt (101).

7. Attachment device according to any of claims 2 to 6, wherein the plate (104) is rigid except for the deformable flexible connection (106).

8. Attachment device according to any of the above claims, wherein the attachment means comprise clip-on lugs (108) equipped at their lower ends with clip-on heads (109) designed to be inserted under the neck (30) of the recipient.

9. Attachment device according to claim 8, also comprising a hoop (11) fitted on the ring (10) to lock the clip-on heads (109) under the neck.

10. Attachment device (1) to attach a distribution device (2), such as a pump or a valve, onto a neck of a recipient, said attachment device comprising a ring (10) formed by an attachment bushing (11) and a reception sleeve (11),

- the bushing (11) forming a skirt (101) equipped with attachment means designed to co-operate with the neck of the recipient,

- a reception sleeve (12) forming reception means (103) designed to receive the distribution device and an annular plate (102) extending radially outwardly from the receiving means toward the skirt, said plate (102) comprising a lower surface (105) designed to be pressed against the upper end of the neck, with an inserted seal (4) if required,

characterized in that the bushing (11) comprises a support flange (111) which extends inwards above the plate (102), elastic means (112) being inserted between the flange and the plate such that it is possible to move the plate (102) axially towards the flange by compressing the elastic means.

11. Attachment device according to claim 10, wherein the elastic means comprise several elastic blocks (112) distributed on the circumference.

12. Attachment device according to claim 10, wherein the elastic means (112) form one piece with the seal (3).

13. Attachment device according to claim 12, wherein the seal forming one piece with the elastic means is mounted over the ring plate.

5 14. Attachment device according to claim 12 or 13, wherein the seal surrounds the plate on the external circumference.

10 15. Attachment device according to any of claims 10 to 14, wherein the attachment means comprise clip-on lugs (108) equipped at their lower ends with clip-on heads (109) designed to be inserted under the neck of the recipient.

16. Attachment device according to claim 15, also comprising a hoop (13) fitted on the (10) to lock the clip-on heads (109) under the neck.